

BR 550/30-8-2014

SBR 147/28-8-2014

## M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

171140

Serial No.....

Name of work..... From..... To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1 | Full description, etc, of work<br>2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Dimensions  |             |              |            | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|---------------|------------------------------------------|
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |               |                                          |
|           | <p>Bill no. 1<sup>st</sup> And Final</p> <p><u>Masonry Work:-</u> Improvement &amp; Repaving of Road at St Mary's</p> <p>School Back side I Karsas Road H/S &amp; R/S L to 15' Detail</p> <p>Job code no. 015-14-000007 P code - 1771</p> <p>F.M.-H 19.95 Lacks.</p> <p>A.S. No JC/D2/AA/293/13-14 Date 30-10-13</p> <p>T.S. No. ER/DD/TS/209/13-14 Date 30-10-13</p> <p>Work under ER/DD/WO/85/14-15 Date - 26/6/14</p> <p>Agency R. Nagala P.T.</p> <p>Date of Commencement 27/06/14</p> <p>Date of Completion 22/08/14</p> |             |             |              |            |               |                                          |

# MEASUREMENT BOOK

| Date<br>1 | Full description, etc., of work<br>2                                                                                                                                                                                                          | Dimensions           |             |              |            | Contents<br>7                  | Reference<br>to last<br>Measurement<br>8 |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|--------------|------------|--------------------------------|------------------------------------------|
|           |                                                                                                                                                                                                                                               | Number<br>3          | Length<br>4 | Breadth<br>5 | Depth<br>6 |                                |                                          |
|           |                                                                                                                                                                                                                                               | Rounded on: 25/09/14 |             |              |            |                                |                                          |
|           | 1) Earth work Excavation by Hand Near in bed soil<br>including an open harigled throw up to 2nd lift up to 0.5m etc Cylindrical<br>per resident in this H.B. p. no. (83) 251.37 M <sup>3</sup> ✓<br>@ 4. 9.72/17 <sup>3</sup> - 15 22 804/- ✓ |                      |             |              |            |                                |                                          |
|           | 2) Clearing the Existed Black Tapped Surface<br>with Broom Soft Brush etc Cylindrical<br>1st C. Read                                                                                                                                          | 1 ✓                  | 30.0        | 4.50         | -          | = 135.0 ✓                      |                                          |
|           |                                                                                                                                                                                                                                               | 1 ✓                  | 30.0        | 4.50         | -          | = 135.0 ✓                      |                                          |
|           |                                                                                                                                                                                                                                               | 1 ✓                  | 30.0        | 4.50         | -          | = 135.0 ✓                      |                                          |
|           |                                                                                                                                                                                                                                               | 1 ✓                  | 45.0        | 4.50         | -          | = <del>135.0</del><br>202.50 ✓ |                                          |
|           | 2nd C. Read                                                                                                                                                                                                                                   | 1 ✓                  | 30.0        | 4.50         | -          | = 135.0 ✓                      |                                          |
|           |                                                                                                                                                                                                                                               | 1 ✓                  | 30.0        | 4.50         | -          | = 135.0 ✓                      |                                          |
|           |                                                                                                                                                                                                                                               | 1 ✓                  | 30.0        | 4.50         | -          | = 135.0 ✓                      |                                          |

# M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 **171141**

Serial No.....

Name of work..... From..... To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1   | Full description, etc, of work<br>2                                                                                                                            | Dimensions  |             |              |                        | Contents<br>7         | Reference<br>to last<br>Measurement<br>8 |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------------------|-----------------------|------------------------------------------|
|             |                                                                                                                                                                | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6             |                       |                                          |
|             | Middle C. Road                                                                                                                                                 | 1 ✓         | 45.0        | 4.50         | -                      | 202.50 ✓              |                                          |
|             |                                                                                                                                                                | 1 ✓         | 38.0        | 4.50         | -                      | 152.0 ✓               |                                          |
|             |                                                                                                                                                                |             |             |              |                        | 1362.0 m <sup>2</sup> |                                          |
|             |                                                                                                                                                                |             |             | @ 14         | 2.59/m <sup>2</sup>    | 14                    | 4196/2                                   |
| 7 Nov. (13) | providing laying spreading and compacting graded<br>Stone Aggregate to wet mix Macadam etc Capital<br>for Road in this No. p. no. (84) - 8.10 m <sup>2</sup> ✓ |             |             | @ 14         | 1121.04/m <sup>2</sup> | 14                    | 3540 = 2                                 |
| 7 Nov. (14) | providing laying & rolling & finishing of<br>Built up 5m x 6m layer over                                                                                       |             |             |              |                        |                       | 9080/2                                   |

# MEASUREMENT BOOK

| Date<br>1                                                                                                           | Full description, etc, of work<br>2 | Dimensions  |             |              |            | Contents<br>7              | Reference<br>to last<br>Measurement<br>8 |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|-------------|--------------|------------|----------------------------|------------------------------------------|
|                                                                                                                     |                                     | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |                            |                                          |
|                                                                                                                     | Prepared Surface etc Caplets        |             |             |              |            |                            |                                          |
|                                                                                                                     | Cuttings                            | 1           | 30.0        | 1.0          | -          | 30.0                       |                                          |
|                                                                                                                     | 1st C. R                            | 1           | 30.0        | 1.0          | -          | 30.0                       |                                          |
|                                                                                                                     | 2nd C. R                            | 1           | 30.0        | 1.0          | -          | 30.0                       |                                          |
|                                                                                                                     |                                     | 1           | 30.0        | 1.0          | -          | 20.0                       |                                          |
|                                                                                                                     |                                     | 1           | 20.0        | 1.0          | -          | 23.0                       |                                          |
|                                                                                                                     | M. C. Road                          | 1           | 23.0        | 1.0          | -          | 162.15                     |                                          |
|                                                                                                                     |                                     |             |             |              |            | 268.92/m <sup>2</sup> - 14 | 43605/                                   |
| I No (5) provided and applying Tack Coat on the prepared Surface 5 kg / 10 m <sup>2</sup> heavy Bitumen etc Caplets |                                     |             |             |              |            |                            |                                          |
|                                                                                                                     | Qty Area of I No. (2)               |             |             |              |            | 1363.0 m <sup>2</sup>      |                                          |
|                                                                                                                     |                                     |             |             |              |            | 21.71/m <sup>2</sup> - 14  | 29878/                                   |

# M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

171142

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1 | Full description, etc, of work<br>2                                                                                                          | Dimensions  |             |              |            | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|---------------|------------------------------------------|
|           |                                                                                                                                              | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |               |                                          |
| P. no. 6  | providing and laying Semi binder Bituminous Concrete<br>25 mm with 100-120 TPH providing an edge cut-off<br>75 Tonnes per hour etc Complete. |             |             |              |            |               |                                          |
|           | Camber Covering &                                                                                                                            | 1 ✓         | 30.0        | 4.50         | 0.025      | 3.32          | } C & A<br>E.E. (D.D.)                   |
|           | Asphaltic Road                                                                                                                               | 1 ✓         | 30.0        | 4.50         | 0.025      | 3.32          |                                          |
|           | 1 <sup>st</sup> C. Road                                                                                                                      | 1 ✓         | 30.0        | 4.50         | 0.025      | 3.32          |                                          |
|           |                                                                                                                                              | 1 ✓         | 45.0        | 4.50         | 0.025      | 5.06          |                                          |
|           | 2 <sup>nd</sup> C. Road                                                                                                                      | 1 ✓         | 30.0        | 4.50         | 0.025      | 3.32          |                                          |
|           |                                                                                                                                              | 1 ✓         | 30.0        | 4.50         | 0.025      | 3.32          |                                          |
|           |                                                                                                                                              | 1 ✓         | 30.0        | 4.50         | 0.025      | 3.32          |                                          |
|           |                                                                                                                                              | 1 ✓         | 45.0        | 4.50         | 0.025      | 5.06          |                                          |

# MEASUREMENT BOOK

| Date<br>1 | Full description, etc., of work<br>2                                 | Dimensions  |             |              |            | Contents<br>7                 | Reference<br>to last<br>Measurement<br>8 |
|-----------|----------------------------------------------------------------------|-------------|-------------|--------------|------------|-------------------------------|------------------------------------------|
|           |                                                                      | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |                               |                                          |
|           | Middle C. Road                                                       | 1           | 38.0        | 4.50         | 0.025      | 4.27                          |                                          |
|           | Camber Correction per Measurement in this MB. p. no. (85) -          |             |             |              |            | 34.61                         |                                          |
|           |                                                                      |             |             |              |            | 15.40                         |                                          |
|           |                                                                      |             |             |              |            | 50.01 m <sup>3</sup>          |                                          |
|           | Invited to 48.64                                                     |             |             |              |            |                               |                                          |
|           | Invited to 48.65 m <sup>3</sup>                                      |             |             |              |            |                               | 4,76,503                                 |
|           | ② m 9794.52/m <sup>3</sup> - m                                       |             |             |              |            |                               | 4,76,405 = 0                             |
|           | 2 no. (7) Carriage y. Hired Material etc. complete                   |             |             |              |            |                               |                                          |
|           | Qty v. 2 no. (6) - 48.64 m <sup>3</sup> @ m 52.11/m <sup>3</sup> - m |             |             |              |            |                               | 2535/-                                   |
|           | 2 no. (8) Hand Mandy Wallst Hot Applied Thermoplastic                |             |             |              |            |                               |                                          |
|           | Compound with Reflecting Glass Beads at Capital                      |             |             |              |            |                               |                                          |
|           | 1 st. C. R                                                           | 2           | 135.0       | 0.10         | -          | 27.00                         |                                          |
|           | 2nd C. R                                                             | 1           | 150.0       | 0.10         | -          | 15.00                         |                                          |
|           | M. C. Road                                                           | 2           | 54.0        | 0.10         | -          | 10.80                         |                                          |
|           |                                                                      |             |             |              |            | 51.36 m <sup>2</sup>          |                                          |
|           |                                                                      |             |             |              |            | @ m 471.96/m <sup>2</sup> - m | 24,240/-                                 |

# M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 **171143**

Serial No. ....

Name of work.....From.....To.....

Name of Contractor or nature of Agency.....

Date of commencement of work.....

| Date<br>1   | Full description, etc., of work<br>2                                                | Dimensions  |             |              |            | Contents<br>7               | Reference<br>to last<br>Measurement<br>8 |
|-------------|-------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|-----------------------------|------------------------------------------|
|             |                                                                                     | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |                             |                                          |
| P. no. (9)  | Removal of B.S. slab of Drain and Shutter etc. Complete                             |             |             |              |            |                             |                                          |
|             | 1st C. Res                                                                          | 2 ✓         | 90.0        | 1.20         | -          | = 216.0 ✓                   |                                          |
|             | 2nd C. R. R/S                                                                       | 1 ✓         | 90.0        | 1.20         | -          | = 108.0 ✓                   |                                          |
|             | M.C. Res                                                                            | 2 ✓         | 15.0        | 1.20         | -          | = 36.0 ✓                    |                                          |
|             | Back hole Drain                                                                     | 1 ✓         | 8.50        | 1.20         | -          | = 10.20 ✓                   |                                          |
|             |                                                                                     |             |             |              |            | 369.78 m <sup>3</sup> ✓     |                                          |
|             |                                                                                     |             |             |              |            |                             | Rs 50.11/m <sup>3</sup> = 18530/- ✓      |
| P. no. (10) | Providing & laying plain cement concrete of M10 1:3:6 with 40mm Jelly etc. Complete |             |             |              |            |                             |                                          |
|             | Plain cement in this no. p. no. (85) - 34.67 m <sup>3</sup> ✓                       |             |             |              |            |                             |                                          |
|             |                                                                                     |             |             |              |            | Rs 4211.38/m <sup>3</sup> ✓ | 1,46,009/- ✓                             |

# MEASUREMENT BOOK

| Date<br>1   | Full description, etc., of work<br>2                                                           | Dimensions  |                       |                               |            | Contents<br>7                   | Reference<br>to last<br>Measurement<br>8 |
|-------------|------------------------------------------------------------------------------------------------|-------------|-----------------------|-------------------------------|------------|---------------------------------|------------------------------------------|
|             |                                                                                                | Number<br>3 | Length<br>4           | Breadth<br>5                  | Depth<br>6 |                                 |                                          |
| 1. no. (11) | Preparing and laying in partition plain Cement<br>Mix 1:1.5 with 20 mm jelly 1:2:4 etc. Engle. |             |                       |                               |            |                                 |                                          |
|             | 1st C. R.                                                                                      | 2 ✓         | 135.0 ✓               | 0.45 ✓                        | 0.10 ✓     | 12.15 ✓                         |                                          |
|             | 2nd C. R. R/H                                                                                  | 1 ✓         | 135.0 ✓               | 0.45 ✓                        | 0.10 ✓     | 6.08 ✓                          |                                          |
|             | H. C. R.                                                                                       | 2 ✓         | 33.70 ✓               | 0.45 ✓                        | 0.10 ✓     | 3.34 ✓                          |                                          |
|             | B.S. Dms                                                                                       | 1 ✓         | 20.0 ✓                | 0.80 ✓                        | 0.10 ✓     | 1.60 ✓                          |                                          |
|             |                                                                                                |             |                       |                               |            | <u>23.11 m<sup>3</sup></u> ✓    |                                          |
|             |                                                                                                |             |                       |                               |            | @ R. 4690.50/m <sup>3</sup> - R | 1,08,392/- ✓                             |
| 1. no. (12) | Reframing Slabs Slabs of doors and painting CH 1:2                                             |             |                       |                               |            |                                 |                                          |
|             | Qty v. 2. no. (9).                                                                             |             | 369.79 m <sup>2</sup> | @ R. 70.00/m <sup>2</sup> - R |            |                                 | 25,900/- ✓                               |
| 2. no. (13) | Preparing granite Slabs Selected quality Roughly<br>Dressed and fixed in CH 1:6 etc. Engle.    |             |                       |                               |            |                                 |                                          |
|             | New slab Missing Bits                                                                          | 2 ✓         | 46.0 ✓                | -                             | 0.90 ✓     | 82.80 ✓                         |                                          |
|             | 1st C. R.                                                                                      |             |                       |                               |            |                                 |                                          |

# M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 **171144**

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor or nature of Agency .....

Date of commencement of work .....

| Date<br>1            | Full description, etc, of work<br>2                                                                                                  | Dimensions  |             |              |            | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|---------------|------------------------------------------|
|                      |                                                                                                                                      | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |               |                                          |
|                      | 1 <sup>st</sup> C.R                                                                                                                  | 1 ✓         | 46.0 ✓      | —            | 1.20 ✓     | = 55.20 ✓     |                                          |
|                      | M. C. R                                                                                                                              | 2 ✓         | 25.00 ✓     | —            | 1.20 ✓     | = 60.0 ✓      |                                          |
|                      | B. S. D                                                                                                                              | 1 ✓         | 17.50 ✓     | —            | 1.20 ✓     | = 21.0 ✓      |                                          |
|                      |                                                                                                                                      |             |             |              |            | 218.00 ✓      |                                          |
| 2 <sup>nd</sup> Nov. | (15) Fertilizing and<br>with Compost<br>with C. M 1:4<br>1 <sup>st</sup> C. R                                                        | 242 ✓       | 137.0 ✓     | —            | 0.20 ✓     | = 109.60 ✓    |                                          |
|                      | 2 <sup>nd</sup> C. R 2/5                                                                                                             | 2 ✓         | 136.0 ✓     | —            | 0.20 ✓     | = 54.40 ✓     |                                          |
|                      | C. M. 343.44 / m — By<br>Castuliz pro cutt Canals Sold Bahla<br>strength not less than 35 kg / m <sup>2</sup> etc etc<br>etc etc etc |             |             |              |            |               | 75.214 / — ✓                             |

# MEASUREMENT BOOK

| Date<br>1 | Full description, etc, of work<br>2                                                                                                                 | Dimensions  |             |              |            | Contents<br>7         | Reference<br>to last<br>Measurement<br>8 |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|-----------------------|------------------------------------------|
|           |                                                                                                                                                     | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |                       |                                          |
|           | M. C. Road                                                                                                                                          | 2x2         | 38.50       | —            | 0.20       | 30.80                 |                                          |
|           | B. S. Ditch                                                                                                                                         | 2           | 21.0        | —            | 0.25       | 10.50                 |                                          |
|           |                                                                                                                                                     |             |             |              |            | 205.30 m <sup>3</sup> |                                          |
|           |                                                                                                                                                     |             |             |              |            |                       | 1, 89, 796/-                             |
|           | (16) Supplying & Fixing pre cast Reinforced Concrete Slab<br>10 cm thick in ceiling Cast of Slab as per Design of Complete<br>1 <sup>st</sup> C. R. |             |             |              |            |                       |                                          |
|           | 1 <sup>st</sup> C. R.                                                                                                                               | 2           | 135.0       | 0.90         | —          | 243.0                 |                                          |
|           | 2 <sup>nd</sup> C. R. R/S                                                                                                                           | 1           | 135.0       | 0.90         | —          | 121.50                |                                          |
|           | M. C. R.                                                                                                                                            | 2           | 37.50       | 0.90         | —          | 67.50                 |                                          |
|           | B. S. Drain                                                                                                                                         | 1           | 20.0        | 0.90         | —          | 18.0                  |                                          |
|           | Fixing Bit                                                                                                                                          | 1           | 14.0        | 0.90         | —          | 12.24                 |                                          |
|           |                                                                                                                                                     |             |             |              |            | 462.24 m <sup>3</sup> |                                          |
|           |                                                                                                                                                     |             |             |              |            |                       | 7, 39, 520/-                             |

E.E. (D.D.)

739584

# M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

171145

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1 | Full description, etc, of work<br>2                                                                          | Dimensions  |             |              |            | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-----------|--------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|---------------|------------------------------------------|
|           |                                                                                                              | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |               |                                          |
| 1 no      | (17) Disposal of Dabbis from the ...<br>Qty 6. 2 no. (1) - 251.37 m <sup>3</sup> @ Rs 78/m <sup>3</sup> - 14 |             |             |              |            |               | 19.602/                                  |
|           | Calculation: 1) The Area was ...<br>2) The Area was ...<br>3) This is ...<br>4) There is no ...              |             |             |              |            |               | 19.61.739/                               |
|           |                                                                                                              |             |             |              |            |               | 1934924=00                               |

Signature  
25/1/17

ಮಾನ್ಯರ ಕಾರ್ಯದರ್ಶಿ ಅಧೀನದಲ್ಲಿ  
ಇ ದಾಖಲೆಗಳು ಉಪ ವಿಭಾಗ  
ಮುಕ್ತ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ  
ಮಾರ್ಕೆಟ್ ಬೆಂಗಳೂರು - 560 072

# MEASUREMENT BOOK

| Date<br>1 | Full description, etc, of work<br>2                                      | Dimensions  |             |              |            | Contents<br>7                                          | Reference<br>to last<br>Measurement<br>8 |
|-----------|--------------------------------------------------------------------------|-------------|-------------|--------------|------------|--------------------------------------------------------|------------------------------------------|
|           |                                                                          | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |                                                        |                                          |
|           | St. Mary's School main Road                                              |             |             |              |            |                                                        |                                          |
|           |                                                                          |             |             |              |            | <p>Asphalting of Road</p> <p>Improvement of Drains</p> |                                          |
|           | <p>37.20m</p> <p>135.0m</p> <p>20.0m</p> <p>4.50m</p> <p>B.S. Drains</p> |             |             |              |            | <p>Asphalting of Road</p> <p>Improvement of Drains</p> |                                          |

ಮಹಾಶಿಕ್ಷಕರ ಕಛೇರಿ, ಬೆಂಗಳೂರು  
 ಎಂ. ಜಿ. ದಾಸರಾಜ್, ಉಪ ನಿರ್ದೇಶಕರು  
 ಪುನಃ ಪರಿಶೀಲಿಸಿದ ಮಹಾಶಿಕ್ಷಕರ ಕಛೇರಿ  
 ಬೆಂಗಳೂರು, ಪಿ.ಓ.ಓ. - 560 073

# M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 **171146**

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1 | Full description, etc, of work<br>2                                                                                                                                                                       | Dimensions  |             |              |            | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|---------------|------------------------------------------|
|           |                                                                                                                                                                                                           | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6 |               |                                          |
|           | <div data-bbox="295 600 863 957" data-label="Form"> <p>Audited and certified by</p> <p>Passed by</p> <p>1934924 = 00 ✓</p> <p>1798344 = 00 ✓</p> <p>136580 = 00 ✓</p> <p>Hay ✓</p> <p>RECEIVED</p> </div> |             |             |              |            |               |                                          |